



*Joint Experimentation & Modernization  
From Today's Concepts to Tomorrow's Capabilities*

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# ***USJFCOM Mission***

*Joint Concept Development and Experimentation*



*As the Chief Advocate for Jointness, USJFCOM maximizes the Nation's future and present military capabilities through joint concept development and experimentation, recommending joint requirements, advancing interoperability, conducting joint training and providing ready CONUS-based forces and capabilities to support other CINCs, the Atlantic Theater, and domestic requirements.*



# *So What Does That Mean?*

## *Joint Concept Development and Experimentation*

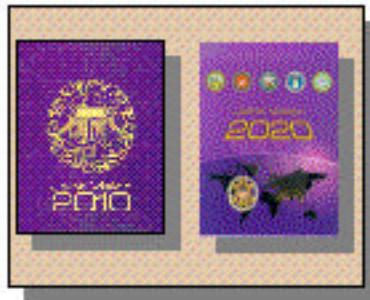


- Acting as the Executive Agent for the SECDEF on Joint Concept Development and Experimentation
  - Serves as *advocate* for the joint war-fighters
  - Develop a *common joint context* for future operations
  - Develop new *joint operational concepts* for future operations
  - *Synchronize and synthesize* the efforts of the Department (CINCs, Services, Agencies)
  - *Conduct experiments* to assess concepts
  - Produce *recommendations* for the SECDEF on doctrine, organization, training, material, leadership, personnel and facilities



# *Joint Concept Development and Experimentation*

## *Joint Concept Development and Experimentation*



Service experiments determine how well future service capabilities work

Provide the compelling vision of the **operational capabilities** of the future joint force

New concepts describe how the **future joint force** envisioned by *JV2020* will operate



Joint experiments determine how well service capabilities work together





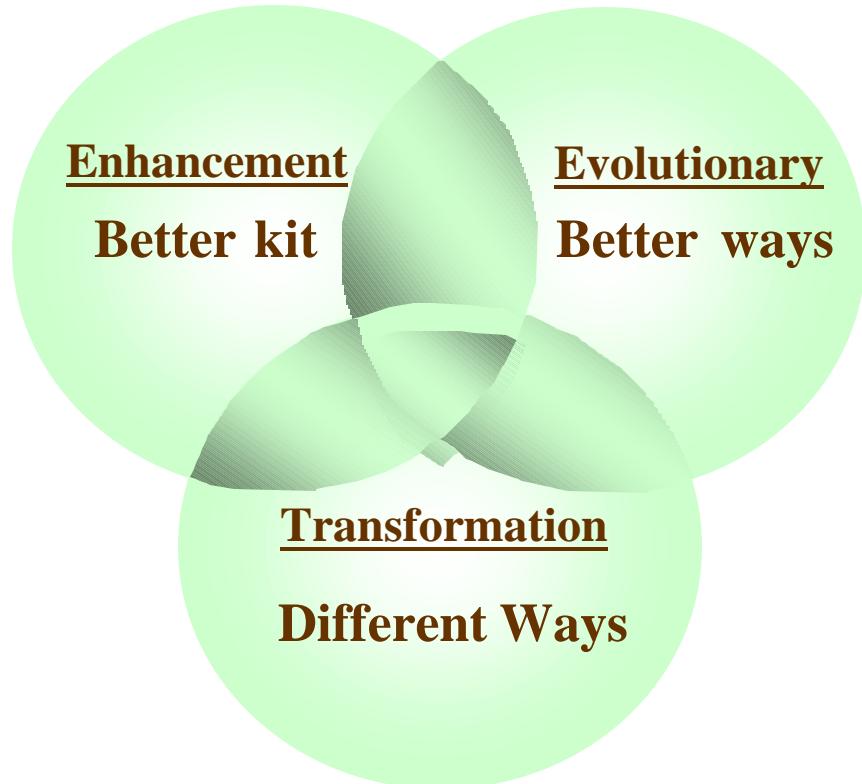
# A Balanced Joint Experimentation Program

## Joint Concept Development and Experimentation



### Maintain current dominance

*Enhance* the capabilities of the current forces by quickly identifying innovative and *current operational concepts*, evaluating their potential and applying *off-the-shelf solutions*.



### Actualize joint vision

Achieve and maintain full spectrum dominance with the Joint Vision Force through JE with *evolutionary concepts*

**Dominate the RMA**  
Through bold thinking,  
Shape America's Joint Force after Next (JFAN) by  
developing and exploring *revolutionary concepts*.



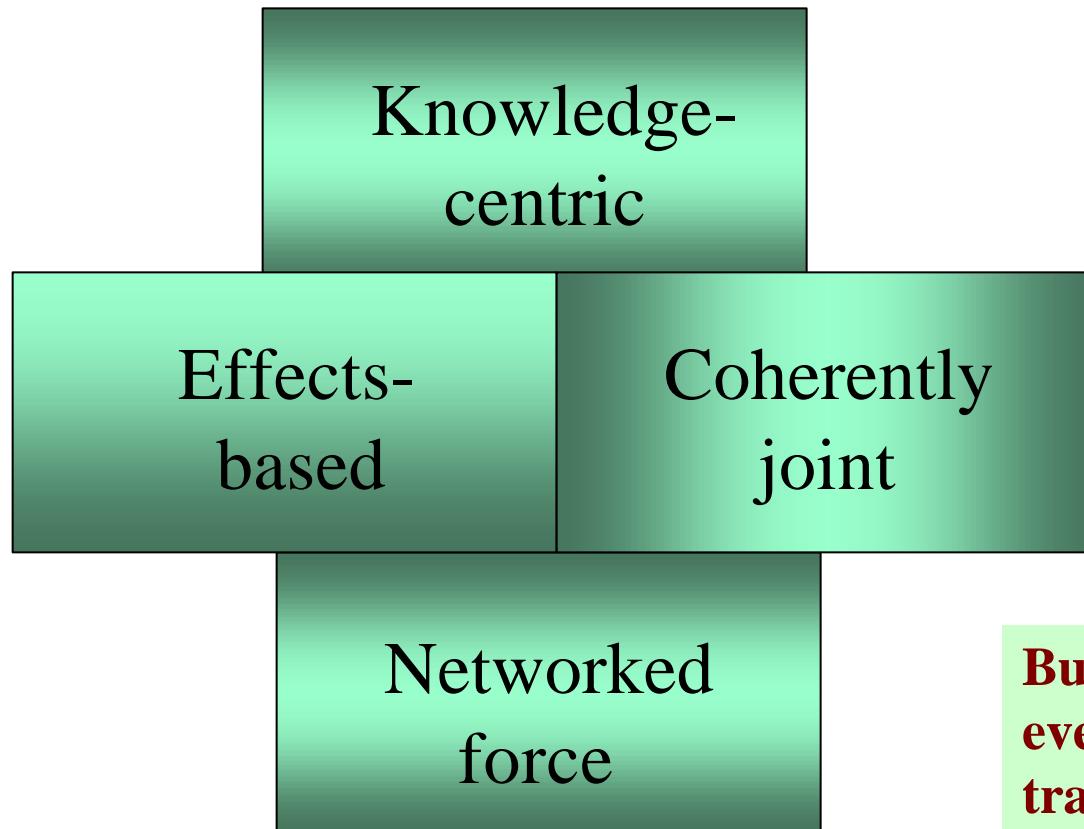
# *Capstone Elements of Future Joint Operations*

## *Joint Concept Development and Experimentation*



### **Knowledge : Mass**

**Focused on impact, not means**



**Collaborative, not hierachal  
Inter-dependent, not stove-piped**

**Joint precedes Service**

**But, "...although everybody wants transformation, nobody wants to change."**

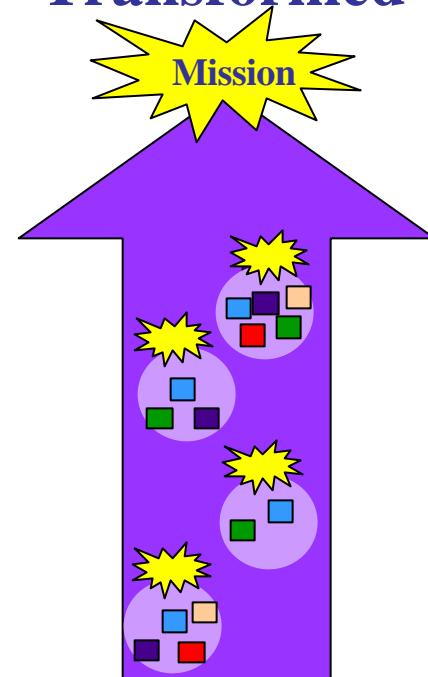


# Transforming Jointness

*Joint Concept Development and Experimentation*

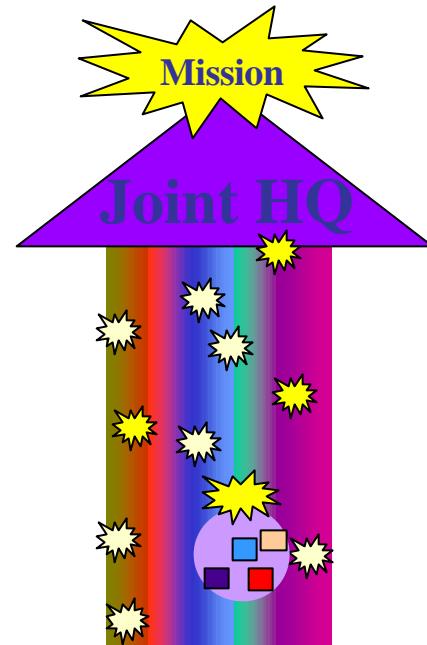


Transformed



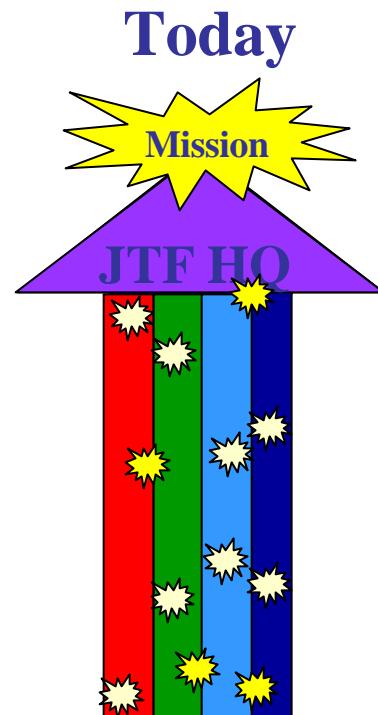
Mission

Transitional



Joint HQ

Jointness = HQ integration



Today

Mission

Jointness = deconfliction

Jointness = force integration

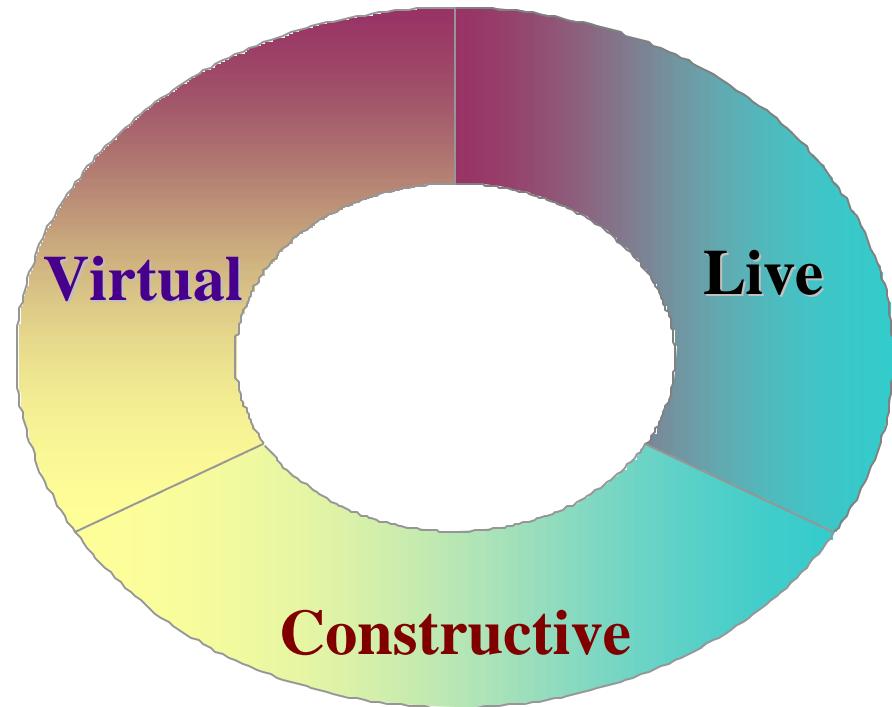


# An Integrated Synthetic Environment

Joint Concept Development and Experimentation



Develop effective joint command and control processes and organizations using humans in the simulations loop



Validate findings using live forces with prototypical capabilities in real time and space before fielding decisions

Evaluate combinations of capabilities across the spectrum of operations using powerful constructive models



# Experimentation Strategy

## Joint Concept Development and Experimentation



Rapid Decisive Operations  
**this decade**

Enhance today's capabilities

Rapid Decisive Operations  
**next decade**

Guide development of tomorrow's capability

Investigate doctrinal change

Explore organizational change

Stimulate leader development

Develop training

Materiel

Personnel

Facilities

Unified Vision 2001

Millennium Challenge 2002

Olympic Vision 2002  
Unified Vision 2003

Olympic Challenge 2004



# *What Paradigms Change?*

*Joint Concept Development and Experimentation*



- Services build to a common joint context
- CINCs have a role in shaping future force
- “Try before buy” construct
- Major decisions based on empirically derived results, not consensus
- Collaborative concept development



*Joint Concept Development and Experimentation*



# USJFCOM Industry Days

## 12-13 June, 2001

For more information, go to <http://www.je.jfcom.mil>  
or contact LtCol Michelle Atchison at (757) 836-2855